Name: _____ **Diagnostic Medical Sonography/Sonographer**

Directions:
Evaluate the student by entering the appropriate number to indicate the degree of competency. The rating for each task should reflect employability readiness rather than the grades given in class.

Student Rating Scale:

- **0** **No Exposure** – no experience/knowledge in this area
- **1** **Knowledge Received** – area is understood
- **2** **Limited Skill** – has exposure, but additional training and supervision is required
- **3** **Moderately Skilled** – limited training and supervision may be required, but progress is being made
- **4** **Skilled** – no additional training is required; the competency has been mastered and knowledge can be transferred to other applications

0	1	2	3	4	**A. Communicate effectively in diagnostic medical sonography settings**	**Notes:**
					1. Use medical terminology and abbreviations appropriately	
					2. Demonstrate good oral communication skills	
					3. Demonstrate good written communication skills	
					4. Use appropriate and professional non-verbal communication skills	
					5. Demonstrate basic computer skills (e.g., turn on and off and navigate the operating system)	
					Other:	

0	1	2	3	4	**B. Explain and apply the principles of physics, chemistry, algebra, anatomy and physiology to diagnostic medical sonography**	**Notes:**
					1. Explain principles of physics that relate to sonography	
					2. Apply principles of physics that relate to sonography	
					3. Explain principles of chemistry that relate to sonography	
					4. Apply principles of chemistry that relate to sonography	
					5. Explain principles of algebra that relate to sonography	
					6. Apply principles of algebra that relate to sonography	
					7. Analyze statistical data	
					8. Identify normal anatomy and physiology for general sonography	
					9. Describe normal anatomy and physiology for general sonography	
					10. Identify normal anatomy and physiology for cardiac sonography	
					11. Describe normal anatomy and physiology for cardiac sonography	
					12. Identify normal anatomy and physiology for vascular sonography	
					13. Describe normal anatomy and physiology for vascular sonography	

					14. Recognize proper cross-sectional human anatomy	
					Other:	

0	1	2	3	4	**C. Describe and demonstrate ethics and professionalism**	**Notes:**
					1. Demonstrate a proper work ethic (e.g., attire, punctuality, attitude, and dependability)	
					2. Demonstrate effective interpersonal relations skills	
					3. Demonstrate the ability to be flexible and adaptable (e.g., scheduling, working conditions, location, and hours)	
					4. Demonstrate respect for client privacy	
					5. Demonstrate compassion, understanding, and empathy	
					6. Follow the rules and regulations of the school, program, and affiliates	
					7. Follow federal, state, and local regulations and guidelines	
					8. Explain the purpose of maintaining client confidentiality	
					9. Describe the legal, moral, and ethical aspects of sonography	
					10. Discuss current moral and ethical health issues (e.g., breast exams, rectal exams, and testicular exams)	
					Other:	

0	1	2	3	4	**D. Describe the principles of lifelong health and holistic healthcare**	**Notes:**
					1. Describe the importance of physical and mental health throughout the lifespan	
					2. Describe the holistic approach as it relates to illness and health	
					3. Assist the client with grief and loss	
					Other:	

0	1	2	3	4	**E. Discuss, demonstrate and apply personal ergonomic techniques**	**Notes:**
					1. Discuss ergonomic techniques (e.g., client, sonographer, and machine position)	
					2. Demonstrate appropriate ergonomic techniques	
					3. Apply principles of body mechanics (e.g., client position, client transfer, pushing a machine, carrying a client, and lifting a client)	
					Other:	

0	1	2	3	4	**F. Identify, explain and apply workplace safety techniques and procedures**	**Notes:**
					1. Discuss the bio-ethics of sonography	

					2. Discuss equipment safety	
					3. Discuss pharmacodynamics that relate to sonography and drugs	
					4. Wash hands properly	
					5. Follow body substance isolation (BSI)	
					6. Clean and disinfect equipment	
					7. Dispose of contaminated equipment and material	
					8. Perform basic life support	
					9. Apply universal precautions	
					10. Discuss basic nursing procedures that relate to sonography (e.g., urinal, bed pan, and intravenous)	
					11. Assist with basic nursing procedures	
					Other:	

0	1	2	3	4	**G. Describe, perform and document specified sonography procedures**	**Notes:**
					1. Document client history and physical findings	
					2. Document client records accurately	
					3. Maintain accurate client records	
					4. Differentiate between normal and abnormal pathophysiology processes for general sonography	
					5. Differentiate between normal and abnormal pathophysiology processes for cardiac sonography	
					6. Differentiate between normal and abnormal pathophysiology processes for vascular sonography	
					7. Perform general sonographic examinations (e.g, abdomen, OB/GYN, and superficial)	
					8. Perform cardiac sonographic examinations (e.g., adult and pediatric)	
					9. Perform vascular sonographic examinations	
					10. Apply acoustical physics and Doppler principles	
					11. Demonstrate the proper use of instrumentation and mechanics (e.g., artifacts)	
					12. Demonstrate the proper care and maintenance of instrumentation and accessories	
					13. Discuss the principles of medical necessity that relate to the ultrasound procedure	
					14. Explain the credentialing process	
					15. Describe the importance of credentials	
					16. Identify the need and responsibility for continuing education	

					Other:	

0	1	2	3	4	H. Demonstrate leadership competencies	Notes:
					1. Demonstrate an understanding of SkillsUSA-VICA, its structure, and activities	
					2. Demonstrate an understanding of one's personal values	
					3. Perform tasks related to effective personal management skills	
					4. Demonstrate interpersonal skills	
					5. Demonstrate etiquette and courtesy	
					6. Demonstrate effectiveness in oral and written communication	
					7. Develop and maintain a code of professional ethics	
					8. Maintain a good professional appearance	
					9. Perform basic tasks related to securing and terminating employees	
					10. Perform basic parliamentary procedures in a group meeting	
					Other:	

NOTE: These competencies are addressed in the Missouri SkillsUSA-VICA Curriculum Guide lessons